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PATENT Attorney Docket No. 040285PCTUS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of LeDuc, et al. Art Unit: 1645

Serial No.: 10/553,249

THREE-DIMENSIONAL, FLEXIBLE CELL GROWTH SUBSTRATE AND RELATED

METHODS

INFORMATION DISCLOSURE STATEMENT

November 9, 2006 Pittsburgh, Pennsylvania 15222

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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Applicants, in accordance with their duty of disclosure pursuant to 37 C.F.R. § 1.56, hereby advise the United States Patent and Trademark Office of the references listed on the accompanying form PTO/SB/08A (substitute for 1449A/PTO) Information Disclosure Statement by Applicant. Copies of each non-U.S. Patent reference cited therein are herewith enclosed. Applicants note that although the cited references may be relevant to the examination of the above-referenced application "under 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement "shall not

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Applicants further note that the filing of this *Information Disclosure Statement* by Applicant is not an admission that the references cited herein constitute prior art under 35 U.S.C. §§ 102-103 with respect to the captioned application.

Pursuant to 37 C.F.R. § 1.97(b) (3), Applicants submit that no fee is necessary for consideration of this *Information Disclosure Statement* by Applicant. Nevertheless, the Commissioner is hereby authorized to charge any additionally required fees deemed necessary for consideration of this *Information Disclosure Statement* by Applicant to Account No. 11-1110.

Respectfully submitted,

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Substitute for form 1449A/PTO	Application Number	10/553,249
	Filing Date	October 17, 2005
INFORMATION DISCLOSURE	First Named Inventor	LeDuc, et al.
STATEMENT BY APPLICANT	Art Unit	1645
	Examiner Name	Not Yet Assigned
(use as many sheets as necessary)		
Sheet 1 of 5	Attorney Docket Number	040285PCTUS

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
-		US-4,789,601	12/06/1988	Banes			
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	1	US-6,037,141	03/14/2000	Banes			
		US-6,645,759 B2	11/11/2003	Banes			
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	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁰			
		WO 02/35990 A2	May 10, 2002	Prodesco, Inc.					
		WO 91/19783	Dec. 26,1991	E.I. DuPont De Nemours and Company					
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/553,249

Filing Date October 17, 2005

First Named Inventor LeDuc, et al.

Art Unit 1645

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Sheet 2 of 5

NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner T² item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Initials' number(s), publisher, city and/or country where published BOITANO, S., et al., A Role for Ca2+ -Conducting Ion Channels in Mechanically-induced Signal Transduction of Airway Epithelial Cells, Journal of Cell Science 107, pp. 3037-3044 (1994). CAMARGO, M., et al., Renal Hydrolysis of Absorbed Protein: Influence of Load and Lysosomal pH, Am J Physiol 247, pp. F656-64, (1984). CHAOHONG L., et al., Cyclic Strain Stress-induced Mitogen-activated Protein Kinase (MAPK) Phosphatase 1 Expression in Vascular Smooth Muscle Cells is Regulated by Ras/Rac-MAPK Pathways, The Journal of Biological Chemistry Vol. 274, No. 36, pp. 25273-25280, (1999). CHESS, et al., Mechanical Strain-Induced Proliferation and Signaling in Pulmonary Epithelial H441 cells, Am J Physiol Lung Cell Mol Physiol 279, pp. L43-L51, (2000). DEKKER, R., et al., Prolonged Fluid Shear Stress Induces a Distinct Set of Endothelial Cell Genes, Most Specifically Lung Krüppel-like Factor (KLF2), Blood, 100, No. 5, pp. 1689-1698, (2002). ENGSTROM K, et al., Combined Use of Micropipette Aspiration and Perifusion for Studying Red Blood Cell Volume Regulation, Cytometry 27, pp.345-352 (1997). FERRER I., et al., Phosphorylation-Dependent Mitogen-Activated Protein Kinase (MAPK/ERK), Stress-Activated Protein Kinase/c-Jun N-Terminal Kinase (SAPK/JNK), and p38 Kinase Expression in Parkinson's Disease and Dementia with Lewy Bodies, J Neural <u>Transm</u> 108, pp. 1383-1396, (2001). GARCIA-CARDENA G., et al., Mechanosensitive Endothelial Gene Expression Profiles: Scripts for the Role of Hemodynamics in Atherogenesis?, Ann N Y Acad Sci 947: 1-6, (2001).

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